In the Claims:

Please cancel claims 1-70, and add new claims 71 - 77, all as shown below.

1-70. Cancel

Please add the following new claims.

71. (New) A precursor for making a polymer, said precursor having the formula: Y-Ar-$(Y')_z$, wherein z is an integer of 1 to about 6, wherein Y and Y' are leaving groups, and Ar is a compound containing an aromatic moiety having from greater than 6 to about 40 carbon atoms, and having at least one sp^2C-sp^2C double bond and one or more of a sp^2C-F bond or a sp^2C-H bond.

72. (New) The precursor of claim 71, wherein Ar is selected from the group consisting of

$-(CH_{(2-n)}F_n)-(C_6H_{(4-m)}F_m)-$, wherein n is 1 or 2 and m is an integer ranging from 1 to 4,

$-(CH_{(2-n)}F_n)-(C_6H_{(4-m)}F_m)-(CH_{(2-o)}F_o)-$ wherein n is 1 or 2 and m is an integer ranging from 1 to 4 and o is 1 or 2,

$-(CH_{(2-n)}F_n)-(C_6H_{(4-m)}F_m)-(C_6H_{(4-o)}F_o)-$ wherein n is 1 or 2 and m is an integer ranging from 1 to 4 and o is an integer ranging from 1 to 4,

$-(CH_{(2-n)}F_n)-(C_6H_{(4-m)}F_m)-(C_6H_{(4-o)}F_o)-(CH_{(2-p)}F_p)-$ wherein n is 1 or 2 and m is an integer ranging from 1 to 4 and o is an integer ranging from 1 to 4 and p is 1 or 2,

$-C_{10}H_{(6-n)}F_n-$, wherein n is an integer ranging from 0 to 6,

$-C_{12}H_{(8-n)}F_n-$, wherein n is an integer ranging from 0 to 8,

$-C_{13}H_{(7-n)}F_n-$, wherein n is an integer ranging from 0 to 7,

$-C_{14}H_{(8-n)}F_n-$, wherein n is an integer ranging from 0 to 8,

$-C_{16}H_{(10-n)}F_n-$, wherein n is an integer ranging from 0 to 10,

$-C_{10}H_{(8-n)}F_n-$ wherein n is an integer ranging from 0 to 8,

$-C_{16}H_{(8-n)}F_n-$, wherein n is an integer ranging from 0 to 8,

$-(C_6H_{4-n}F_n)-(C_{10}H_{6-m}F_m)-$, where n is an integer ranging from 1 to 4 and m is an integer ranging from 1 to 6,

$-(C_{14}H_{(8-n)}F_n)-(C_{16}H_{(8-n)}F_n)-$, wherein n and m are independently integers ranging from 1 to 8, and

-$(C_{14}H_{(8-n)}F_n)$-$(C_{16}H_{(10-m)}F_m)$-, wherein n is an integer ranging from 1 to 8 and m is an integer ranging from 1 to 10;

-$(C_{10}H_{6-m}F_m)$-$(C_{10}H_{6-n}F_n)$-$(C_{10}H_{6-o}F_o)$-, wherein m, n and o are integers independently selected from 1 to 6;

-$C_{14}H_{(8-m)}F_m$-$(C_{10}H_{6-n}F_n)$-$C_{14}H_{(8-o)}F_o$-, wherein m and o are integers independently selected from 1 to 8 and n is an integer from 1 to 6, and

a positional isomer of any of the above.

73. (New) The precursor of claim 71, wherein Y and Y' are independently selected from the group consisting of -H, -Cl, -Br, -NR, -SR, -SiR_3, -NR_2 and -SO_2R, wherein R is -H, an alkyl group or an aromatic group.

74. (New) The precursor of claim 71, wherein Y is a leaving group selected from the group consisting of -H, -Br and -F.

75. (New) The precursor of claim 71, wherein Y and Y' are Br.

76. (New) The precursor of claim 71, wherein Ar is selected from the group consisting of:

-CF_2-(C_6F_4)-,

-CF_2-(C_6F_4)-(C_6F_4)-,

-CF_2-(C_6F_4)-(C_6F_4)-CF_2-,

-(CF_2)-(C_6F_4)-(C_6F_4)-,

-(CF_2)-(C_6F_4)-(C_6F_4)-(CF_2)-,

-$C_{10}F_6$-,

-$C_{12}F_8$-,

-$C_{13}F_7$-,

-$C_{14}F_8$-,

-$C_{16}F_{10}$-,

-$C_{10}F_8$-,

$-C_{16}F_8-$,

$-(C_6F_4)-(C_{10}F_6)-$,

$-(C_{14}F_8)-(C_{16}F_8)-$,

$-(C_{14}F_8)-(C_{16}F_{10})-$,

$-(C_{10}F_6)-(C_{10}F_6)-(C_{10}F_6)-$, and

$-(C_{14}F_8)-(C_{10}F_6)-(C_{14}F_8)-$,

$-(C_{10}F_6)-(C_{10}F_6)-(C_{10}F_6)-$,

$-(C_{10}F_6)-(C_{10}F_6)-(C_{10}F_6)-(C_{10}F_6)-$,

a combination of one or more of the above Ar groups, with the proviso that the total number of carbon atoms is said Ar group is less than about 40, and

a positional isomer of any of the above.

77. (New) The precursor of claim 71 having a formula selected from the group consisting of:

$Br-CF_2-(C_6F_4)-Br$,

$Br-CF_2-(C_6F_4)-(C_6F_4)-Br$,

$Br-(CF_2)-(C_6F_4)-(C_6F_4)-(CF_2)-Br$,

$Br-C_{10}F_6-Br$,

$Br-C_{12}F_8-Br$,

$Br-C_{13}F_7-Br$,

$Br-C_{14}F_8-Br$,

$Br-C_{16}F_{10}-Br$,

$Br-C_{10}F_8-Br$,

$Br-C_{16}F_8-Br$, and

a positional isomer of the above.